Programs After Market Services (PAMS)

Technical Documentation

SERVICE MANUAL

[Issue 3: NMP Part No.0275426]
[Issue 4: NMP Part No.0275571]

NSM–3/3D SERIES CELLULAR PHONES

NOKIA

NSM–3 issue 4: 02/2002

Copyright 2000, 2002. Nokia Corporation. All Rights Reserved.

AMENDMENT RECORD SHEET

Amendment	Date	Inserted By	Comments
Issue 1	12/1999	Jouni Rantala	
Issue 2	07/2000	Jouni Rantala	**General Information** HHS–12 Swivel Mount added. ACP–7P charger removed.
			System Module Parts List and Schematic Diagrams for layout 16 added.
			UI Module IR Module text edited.
			Product Variants Exploded View and Item numbering edited.
			Service Software Instructions Edited to correspond with changes made in Service Software.
			Non Serviceable Accessories HHS–12 Swivel Mount added. ACP–7P charger removed.
Issue 3	11/2000	Jouni Rantala	**NSM–3DX phone added.**
			NSM–3 layout 18 Schematic Diagrams for layout version 16 can be used with layout 18 (top and bottom layout pictures added for version 18).
			Note: Issue 3 replaces issues 1 and 2.
Issue 4	12/2001	O Juntunen	**Foreword** pp.1 to 4 replaced
			System Module TOC updated Parts List for NSM–3 layouts 19 and 21 added, NSM 3D layout 05 added, HW list added. Schematic Diagrams for NSM–3 layout 19, 20, 21 added Schematic Diagrams for NSM–3D layout 05 added. Document repaginated.

© 2002. Nokia Corporation.

			Product Variants Exploded View and Item numbering updated Replace pp 1 & 2, 5 to 8
			Service Software Instructions Edited to correspond with changes made in Service Software. Tuning Instructions pp. 83–100 to removed to dedicated section. Replaced pages: pp.1 to 6, 10, 14, 16, 27, 32, 39, 45, 48, 51 to 58, 64, 68, 71 to 82.
			Tuning Instructions Removed from Service SW section. 28 pages.
			Service Tools pp 1 to 3, p.11, p.25, p.27 edited. p.13 JBA–6 replaced by BBF–1 p.14 ADS–3 removed p.26 Modular Cable Jack removed p.28 FLS–4s updated.

© Nokia Mobile Phones Ltd.

NSM–3/3D
SERIES CELLULAR PHONES
SERVICE MANUAL

CONTENTS:

1. Foreword

2. General Information

3. System Module

4. UI Module

5. Product Variants
NSM–3NX
NSM–3DX

6. Service Software Instructions

6. Tuning Instructions

8. Service Tools

9. Disassembly/Troubleshooting Instructions

10. Non–serviceable Accessories

© 2002. Nokia Corporation.

IMPORTANT

This document is intended for use by qualified service personnel only.

Company Policy

Our policy is of continuous development; details of all technical modifications will be included with service bulletins.

While every endeavour has been made to ensure the accuracy of this document, some errors may exist. If any errors are found by the reader, NOKIA MOBILE PHONES Ltd should be notified in writing.

Please state:

Title of the Document + Issue Number/Date of publication

Latest Amendment Number (if applicable)

Page(s) and/or Figure(s) in error

Please send to:

Nokia Mobile Phones Ltd
PAMS Technical Documentation
PO Box 86
24101 SALO
Finland

© Nokia Mobile Phones Ltd.

Warnings and Cautions

Please refer to the phone's user guide for instructions relating to operation, care and maintenance including important safety information. Note also the following:

Warnings:

1. CARE MUST BE TAKEN ON INSTALLATION IN VEHICLES FITTED WITH ELECTRONIC ENGINE MANAGEMENT SYSTEMS AND ANTI–SKID BRAKING SYSTEMS. UNDER CERTAIN FAULT CONDITIONS, EMITTED RF ENERGY CAN AFFECT THEIR OPERATION. IF NECESSARY, CONSULT THE VEHICLE DEALER/MANUFACTURER TO DETERMINE THE IMMUNITY OF VEHICLE ELECTRONIC SYSTEMS TO RF ENERGY.
2. THE HANDPORTABLE TELEPHONE MUST NOT BE OPERATED IN AREAS LIKELY TO CONTAIN POTENTIALLY EXPLOSIVE ATMOSPHERES EG PETROL STATIONS (SERVICE STATIONS), BLASTING AREAS ETC.
3. OPERATION OF ANY RADIO TRANSMITTING EQUIPMENT, INCLUDING CELLULAR TELEPHONES, MAY INTERFERE WITH THE FUNCTIONALITY OF INADEQUATELY PROTECTED MEDICAL DEVICES. CONSULT A PHYSICIAN OR THE MANUFACTURER OF THE MEDICAL DEVICE IF YOU HAVE ANY QUESTIONS. OTHER ELECTRONIC EQUIPMENT MAY ALSO BE SUBJECT TO INTERFERENCE.
4. CLASS 1 LASER PRODUCT. See IEC60825–1 specification: 825–1; 5: Labelling, 5.1: General, 5.2: Class 1

Cautions:

1. Servicing and alignment must be undertaken by qualified personnel only.
2. Ensure all work is carried out at an anti–static workstation and that an anti–static wrist strap is worn.
3. Ensure solder, wire, or foreign matter does not enter the telephone as damage may result.
4. Use only approved components as specified in the parts list.
5. Ensure all components, modules screws and insulators are correctly re–fitted after servicing and alignment. Ensure all cables and wires are repositioned correctly.
6. All PC's used with NMP Service Software for this produce must be bios and operating system "Year 2000 Compliant".

© 2002. Nokia Corporation.